

Product datasheet for **TP321241M**

FCHSD2 (NM_014824) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human FCH and double SH3 domains 2 (FCHSD2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC221241 representing NM_014824
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MQKLASQYLKRDWPGVKADDRNDYRSMYPVWKSFLGTMQVAQSRMNICENYKNFISEPARTVRSLSKEQQ
LKRCVDQLTKIQTELQETVKDLAKGKKKYFETEQMAHAVREKADIEAKSKLSLFQSRISLQKASVKLKAR
RSECNSKATHARNDYLLTAAANAHQDRYQTDLVNIMKALDGNVYDHLKDYLIAFSRTELETQAVQNT
FQFLLNSSKVRDYNLQLFLQENAVFHKPQPFQFQPCSDTSRQLESETGTTEEHSLNKEARKWATRVA
REHKNIHVHQRVLNDLECHGAAVSEQSRAELEQKIDEARENIRKAEIILKAEARLDLLKQIGVSVDTWL
KSAMNQVMEELENERWARPPAVTSNGTLHSLNADTEREEGEEFEDNMDVFDSSSSPSGTLRNYPLTCKV
VYSYKASQPDELTIIEHEVLEVIEDGDMEDWVKARNKVGQVGVPEKYLQFPTSNSLLSMLQSLAALDSR
SHTSSNSTEALVSGSLNGDASVCFVKALYDYEGQTDDELSPFEGAIIRLNKENQDDDGFWEFENGRI
GVFPSVLVEELSASENGDTPWMREIQISPSPKPHASLPLPLYDQPPSSYPSPDKRSSLYFPRSPSANE
KSLHAESPGFSQASRHTPETSYGKLRPVRAAPPPTQNHRRPAEKIEDVEITLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

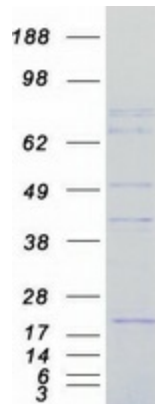
Tag:	C-Myc/DDK
Predicted MW:	77.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055639
Locus ID:	9873
UniProt ID:	O94868
RefSeq Size:	4341
Cytogenetics:	11q13.4
RefSeq ORF:	2052
Synonyms:	NWK; NWK1; SH3MD3
Summary:	Adapter protein that plays a role in endocytosis via clathrin-coated pits. Contributes to the internalization of cell surface receptors, such as integrin ITGB1 and transferrin receptor (PubMed:29887380). Promotes endocytosis of EGFR in cancer cells, and thereby contributes to the down-regulation of EGFR signaling (PubMed:30249660). Recruited to clathrin-coated pits during a mid-to-late stage of assembly, where it is required for normal progress from U-shaped intermediate stage pits to terminal, omega-shaped pits (PubMed:29887380). Binds to membranes enriched in phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4,5-trisphosphate (PubMed:29887380). When bound to membranes, promotes actin polymerization via its interaction with WAS and/or WASL which leads to the activation of the Arp2/3 complex. Does not promote actin polymerisation in the absence of membranes (PubMed:29887380). [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified FCHSD2 protein (Cat# [TP321241]). The protein was produced from HEK293T cells transfected with FCHSD2 cDNA clone (Cat# [RC221241]) using MegaTran 2.0 (Cat# [TT210002]).